## WHAT IS CLAIMED IS:

1	1.	An integrated three phase separator for separation of natural gas, hydrocarbon liquid,	
2	and water or brine, which separator comprises:		
3		a cylindrical vertical separation unit having a top and an opposed bottom;	
4		a cylindrical horizontal separation unit having a pair of opposed ends;	
5		a tubular elbow connection having a pair of ends, one said end connected to said	
6	bottom of said vertical separation unit and another said end connected at one said end of said		
7	horizontal separation unit; and		
.8		metering plate means within said tubular elbow connection to retain said natural gas	
9	in said horizo	ntal unit.	
1	2.	An integrated three phase separator as set forth in Claim 1 wherein said vertical	
2	separation unit, said horizontal separation unit, and said tubular elbow connection each have the		
3	same diamete	r.	
1	3.	An integrated three phase separator as set forth in Claim 1 wherein said metering plate	
2	means includes a flat plate juxtaposed at an angle to an axis of said vertical separation unit and at		
3	an angle to an	axis of said horizontal unit.	
1	4.	An integrated three phase separator as set forth in Claim 3 wherein said flat plate is	

juxtaposed at approximately a 30° angle to said vertical unit.

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1	5.	An integrated three phase separator as set forth in Claim 1 wherein said metering plate	
2	means includes a flat plate extending across a diameter of said tubular elbow connection, and having		
3	a truncated base to permit liquid flow therethrough.		
1	6.	An integrated three phase separator as set forth in Claim 1 including a fluid inlet from	
2	a well head into said vertical separation unit.		
1	7.	An integrated three phase separator as set forth in Claim 6 wherein said fluid inlet is	
2	tangential to	said vertical unit.	
1	8.	An integrated three phase separator as set forth in Claim 1 including a natural gas	
2	outlet from s	aid top of said vertical separation unit.	
1	9.	An integrated three phase separator as set forth in Claim 5 including a slot in said	
2	metering plat	te.	
1	10	An integrated three phase separator as set forth in Claim 1 including an	
2	equalizer/cor	ndenser line extending between said horizontal unit and said vertical unit to balance gas	
3	pressure in sa	aid units.	
1	11	An integrated three phase senarator as set forth in Claim 1 including a supply gas	

dryer line extending from said equalizer/condenser line.